FIG 5

```
AM   ATGGGGGTGCACGAATGTCCTGCCTGGCTGTGGCTTCTCCTGTCCCTGCT    50
GI   ATGGGGGTGCACGAATGTCCTGCCTGGCTGTGGCTTCTCCTGTCCCTGCT    50
SY   ATGGGGGTGCACGAATGTCCTGCCTGGCTGTGGCTTCTCCTGTCCCTGCT    50
JM   ATGGGGGTGCACGAATGTCCTGCCTGGCTGTGGCTTCTCCTGTCCCTGCT    50
SH   ATGGGGGTGCACGAATGTCCTGCCTGGCTGTGGCTTCTCCTGTCCCTGCT    50
HE   ATGGGGGTGCACGAATGTCCTGCCTGGCTGTGGCTTCTCCTGTCCCTGCT
     **************************************************

AM   GTCGCTCCCTCTGGGCCTCCCAGTCCTGGGCGCCCCACCACGCCTCATCT    100
GI   GTCGCTCCCTCTGGGCCTCCCAGTCCTGGGCGCCCCACCACGCCTCATCT    100
SY   GTCGCTCCCTCTGGGCCTCCCAGTCCTGGGCGCCCCACCACGCCTCATCT    100
JM   GTCGCTCCCTCTGGGCCTCCCAGTCCTGGGCGCCCCACCACGCCTCATCT    100
SH   GTCGCTCCCTCTGGGCCTCCCAGTCCTGGGCGCCCCACCACGCCTCATCT    100
HE   GTCGCTCCCTCTGGGCCTCCCAGTCCTGGGCGCCCCACCACGCCTCATCT
     **************************************************

AM   GTGACAGCCGAGTCCTGGAGAGGTACCTCTTGGAGGCCAAGGAGGCCGAG    150
GI   GTGACAGCCGAGTCCTGGAGAGGTACCTCTTGGAGGCCAAGGAGGCCGAG    150
SY   GTGACAGCCGAGTCCTGGAGAGGTACCTCTTGGAGGCCAAGGAGGCCGAG    150
JM   GTGACAGCCGAGTCCTGGAGAGGTACCTCTTGGAGGCCAAGGAGGCCGAG    150
SH   GTGACAGACGAGTCCTGGAGAGGTACCTCTTGGAGGCCAAGGAGGCCGAG    150
HE   GTGACAGCCGAGTCCTGGAGAGGTACCTCTTGGAGGCCAAGGAGGCCGAG    150
     *******  *****************************************

AM   AATATCACGGTGAGACCCCTTCCCCAGCACATTCCACAGAACTCACGCTC    200
GI   AATATCACGGTGAGACCCCTTCCCCAGCACATTCCACAGAACTCACGCTC    200
SY   AATATCACGGTGAGACCCCTTCCCCAGCACATTCCACAGAACTCACGCTC    200
JM   AATATCACGGTGAGACCCCTTCCCCAGCACATTCCACAGAACTCACGCTC    200
SH   AATATCACGGTGAGACCCCTTCCCCAGCACATTCCACAGAACTCACGCTC    200
HE   AATATCACGGTGAGACCCCTTCCCCAGCACATTCCACAGAACTCACGCTC    200
     **************************************************

AM   AGGGCTTCAGGG-AACTCCTCCCAG-ATCCAGGAACCTGGCACTTGGTTT    248
GI   AGGGCTTCAGGG-AACTCCTCCCAG-ATCCAGGAACCTGGCACTTGGTTT    248
SY   AGGGCTTCAGGG-AACTCCTCCCAG-ATCCAGGAACCTGGCACTTGGTTT    248
JM   AGGGCTTCAGGG-AACTCCTCCCAG-ATCCAGGAACCTGGCACTTGGTTT    248
SH   AGGGCTTCAGGG-AACTCCTCCCAG-ATCCAGGAACCTGGCACTTGGTTT    248
HE   AGGGCTTCAGGGGAACTCCTCCCAGGATCCAGGAACCTGGCACTTGGTTT    250
     ***********  ***********  *************************

AM   GGGGTGGAGTTGGGAAGCTAGACACTGCCCCCCTACATAAGAATAAGTCT    298
GI   GGGGTGGAGTTGGGAAGCTAGACACTGCCCCCCTACATAAGAATAAGTCT    298
SY   GGGGTGGAGTTGGGAAGCTAGACACTGCCCCCCTACATAAGAATAAGTCT    298
JM   GGGGTGGAGTTGGGAAGCTAGACACTGCCCCCCTACATAAGAATAAGTCT    298
SH   GGGGTGGAGTTGGGAAGCTAGACACTGCCCCCCTACATAAGAATAAGTCT    298
HE   GGGGTGGAGTTGGGAAGCTAGACACTGCCCCCCTACATAAGAATAAGTCT    300
     **************************************************

AM   GGTGGCCCCAAACCATACCTGGAAACTAGGCAAGGAGCAAAGCCAGCAGA    348
GI   GGTGGCCCCAAACCATACCTGGAAACTAGGCAAGGAGCAAAGCCAGCAGA    348
SY   GGTGGCCCCAAACCATACCTGGAAACTAGGCAAGGAGCAAAGCCAGCAGA    348
JM   GGTGGCCCCAAACCATACCTGGAAACTAGGCAAGGAGCAAAGCCAGCAGA    348
```
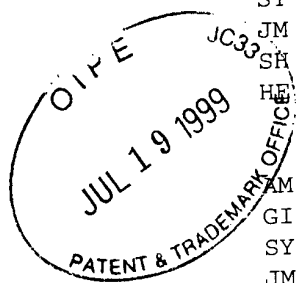
```
SH   GGTGGCCCCAAACCATACCTGGAAACTAGGCAAGGAGCAAAGCCAGCAGA        348
HE   GGTGGCCCCAAACCATACCTGGAAACTAGGCAAGGAGCAAAGCCAGCAGA        350
     *************************************************


AM   TCCTACGGCCTGTGGGCCAGGGCCAG-AGCCTTCAGGGACCCTTGACTCC        397
GI   TCCTAC-GCCTGTGG-CCAGGGCCAG-AGCCTTCAGGGACCCTTGACTCC        395
SY   TCCTACGGCCTGTGGGCCAGGGCCAA-AACCTTCAGGGACCCTTGACTCC        397
JM   TCCTACGGCCTGTGGGCCAGGGCCAGGAGCCTTCAGGGACCCTTGACTCC        398
SH   TCCTACGGCCTGTGGCCCAGGGGCA-GAGCCTTCAGGGACCCTTGACTCC        397
HE   TCCTACGGCCTGTGGCCCAGGGCCA-GAGCCTTCAGGGACCCTTGACTCC        399
     ****** ******* ****** **   * *********************


AM   CCGGGCTGTGTGCATTTCAGACGGGCTGTGCTGAACACTGCAGCTTGAAT        447
GI   CCGGGCTGTGTGCATTTCAGACGGGCTGTGCTGAACACTGCAGCTTGAAT        445
SY   CCGGGCTGTTTGCATTTCAGACGGGCTGTGCTGAACACTGCAGCTTGAAT        447
JM   CCGGGCTGTGTGCATTTCAGAAGGGCTGTGCTGAACACTGCAGCTTGAAT        448
SH   CCGGGCTGTGTGCATTTCAGACGGGCTGTGCTGAACACTGCAGCTTGAAT        447
HE   CCGGGCTGTGTGCATTCCAGACGGGCTGTGCTGAACACTGCAGCTTGAAT        449
     ********* ****** ****  ****************************


AM   GAGAATATCACTGTCCCAGACACCAAAGTTAATTTCTATGCCTGGAAGAG        497
GI   GAGAATATCACTGTCCCAGACACCAAAGTTAATTTCTATGCCTGGAAGAG        495
SY   GAAAATATCACTGTCCCAGACACCAAAGTTAATTTCTATGCCTGGAAGAG        497
JM   GAGAATATCACTGTCCCAGACACCAAAGTTAATTTCTATGCCTGGAAGAG        498
SH   GAGAATATCACTGTCCCAGACACCAAAGTTAATTTCTATGCCTGGAAGAG        497
HE   GAGAATATCACTGTCCCAGACACCAAAGTTAATTTCTATGCCTGGAAGAG        499
     ** *********************************************


AM   GATGGAGGTGAGTTCCTTTTTTTTTTTTTTTCCTTTCTTTTGGAGAATCT        547
GI   GATGGAGGTGAGTTCCTTTTTTTTTTTTTTTCCTTTCTTTTGGAGAATCT        545
SY   GATGGAGGTGAGTTCCTTTTTTTTTTTTTTTTCCTTTCTTTTGGAGAATCT       547
JM   GATGGAGGTGAGTTCCTTTTTTTTTTTT--TCCTTTCTTTTGGAGAATCT        548
SH   GATGGAGGTGAGTTCCTTTTTTTTTTTTTTTTCCTTTCTTTTGGAGAATCT       545
HE   GATGGAGGTGAGTTCCTTTTTTTTTTTTTTTTCCTTTCTTTTGGAGAATCT       549
     ***********************        *******************


AM   CATTTGCGAGCCTGATTTTGGATGAAAGGGAGAATGATCGGGGGAAAGGT        597
GI   CATTTGCGAGCCTGATTTTGGATGAAAGGGAGAATGATCGAGGGAAAGGT        595
SY   CATTTGCGAGCCTGATTTTGGATGAAAGGGAGAATGATCGAGGGAAAGGT        597
JM   CATTTGCGAGCCTGATTTTGGATGAAAGGGAGAGTGATCGAGGGAAAGGT        598
SH   CATTTGCGAGCCTGATTTTGGATGAAAGGGAGAATGATCGAGGGAAAGGT        595
HE   CATTTGCGAGCCTGATTTGGGATGAAAGGGAGAATGATCGAGGGAAAGGT        599
     *****************   ************** ****** *********


AM   AAAATGGAGCAGCAGAGATGAGGCTGCCTGGGCGCAGAGGCTCACGTCTA       647
GI   AAAATGGAGCAGCAGAGATGAGGCTGCCTGGGCGCAGAGGCTCACGTCTA       645
SY   AAAATGGAGCAGCAGAGATGAGGCTGCCTGGGCGCAGAGGCTCACGTCTA       647
JM   AAAATGGAGCAGCAGAGATGAGGCTGCCTGGGCGCAGAGGCTCACGTCTA       648
SH   AAAATGGAGCAGCAGAGATGAGGCTGCCTGGGCGCAGAGGCTCACGTCTA       645
HE   AAAATGGAGCAGCAGAGATGAGGCTGCCTGGGCGCAGAGGCTCCAGTCTA       649
     ******************************************** *****


AM   TAATCCCAGGCTGAGATGGCCGAGATGGGAGAATTGCTTGAGCCCTGGAG       697
GI   TAATCCCAGGCTGAGATGGCCGAGATGGGAGAATTGCTTGAGCCCTGGAG       695
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SY   TAATCCCAGGCTGAGATGGCCGAAATGGGAGAATTGCTTGAGCCCTGGAG        697
JM   TAATCCCAGGCTGAGATGGCCGAGATGGGAGAATTGCTTGAGCCCTGGAG        698
SH   TAATCCCAGGCTGAGACGGCCGAGATGGGAGAATTGCTTGAGCCCTGGAG        695
HE   TAATCCCAGGCTGAGATGGCCGAGATGGGAGAATTGCTTGAGCCCTGGAG        699
     ***************** ****** *************************


AM   GTTCAGACCAACCTAGGCAGCATAGTGAGATCCCCCATCTCTACAAACAT        747
GI   GTTCAGACCAACCTAGGCAGCATAGTGAGATCCCCCATCTCTACAAACAT        745
SY   GTTCAGACCAACCTAGGCAGCATAGTGAGATCCCCCATCTCTACAAACAT        747
JM   GTTCAGACCAACCTAGGCAGCATAGTGAGATCCCCCATCTCTACAAACAT        748
SH   GTTCAGACCAACCTAGGCAGCATAGTGAGATCCCCCATCTCTACAAACAT        745
HE   GTTCAGACCAACCTAGGCAGCCTAGTGAGATCCCCCATCTCTACAAACAT        749
     ********************* ****************************


AM   TTAAAAAAATTAGTCAGGTGAAGTGGTGCATGGTGGTAGTCCCAGATATT        797
GI   TTAAAAAAATTAGTCAGGTGAAGTGGTGCATGGTGGTAGTCCCAGATATT        795
SY   TTAAAAAAATTAGTCAGGTGAAGTGGTGCATGGTGGTAGTCCCAGATATT        797
JM   TTAAAAAAATTAGTCAGGTGAAGTGGTGCATGGTGGTAGTCCCAGATATT        798
SH   TTAAAAAAATTAGTCAGGTGAAGTGGTGCATGGTGGTAGTCCCAGATATT        795
HE   TTAAAAAAATTAGTCAGGTGAAGTGGTGCATGGTGGTAGTCCCAGATATT        799
     **************************************************


AM   TGGAAGGCTGAGGCGGGAGGATCGCTTGAGCCCAGGAATTTGAGGCTGCA        847
GI   TGGAAGGCTGAGGCGGGAGGATCGCTTGAGCCCAGGAATTTGAGGCTGCA        845
SY   TGGATGGCTGAGGCGGGAGGATCGCTTGAGCCCAGGAATTTGAGGCTGCG        847
JM   TGGAAGGCTGAGGCGGGAGGATCGCTTGAGCCCAGGAATTTGGGGCTGCA        848
SH   TGGAAGGCTGAGGCGGGAGGATCGCTTGAGCCCAGGAATTTGAGGCTGCA        845
HE   TGGAAGGCTGAGGCGGGAGGATCGCTTGAGCCCAGGAATTTGAGGCTGCA        849
     **** ************************************** ******


AM   GTGAGCTGTGATCACACCACTGCACTCCAGCCTCAGTGACAGAGTGAGGC        897
GI   GTGAGCTGTGATCACACCACTGCACTCCAGCCTCAGTGACAGAATGAGGC        895
SY   GTGAGCTGTGATCACACCACTGCACTCCAGCCTCAGTGACAGAGTGAGGC        897
JM   GTGAGCTGTGATCACACCACTGCAATCCAGCCTCAGTGACAGAGTGAGGC        898
SH   GTGAGCTGTGATCACACCACTGCACTCCAGCCTCAGTGACAGAGTGAGGC        895
HE   GTGAGCTGTGATCACACCACTGCACTCCAGCCTCAGTGACAGAGTGAGGC        899
     *********************** ******************* ******


AM   CCTGTCTCAAAAAAGAAAAGAAAAAAGAAAAATAATGAGGGCTGTATGGA        947
GI   CCTGTCTCAAAAAAGAAAAGAAAAAAGAAAAATAATGAGGGCTGTATGGA        945
SY   CCTGTCTCAAAAAAGAAAAGAAAAAAGAAAAATAATGAGGGCTGTATGGA        947
JM   CCTGTCTCAAAAACGAAAAGAAAAAAGAAAAATAATGAGGGCTGTATGGA        948
SH   CCTGTCTCAAAAAAGAAAAGAAAAAAGAAAAATTATGAGGGCTGTATGGA        945
HE   CCTGTCTCAAAAAAGAAAAGAAAAAAGAAAAATAATGAGGGCTGTATGGA        949
     ************** ******************* ***************


AM   ATACATTCATTATTCATTCACTCACTCACTCACTCATTCATTCATTCATT        997
GI   ATACGTTCATTATTCATTCACTCACTCACTCACTCATTCATTCATTCATT        995
SY   ATACATTCATTATTCATTCACTCACTCACTCACTCATCCATTCATTCATT        997
JM   ATACATTCATTATTCATTCACTCACTCACTCACTCATTCATTCATTCATT        998
SH   ATACATTCATTATTCATTCACTCACTCACTCACTCATTCATTCATTCATT        995
HE   ATACATTCATTATTCATTCACTCACTCACTCACTCATTCATTCATTCATT        999
     **** *************************** ***********
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```
AM   CATTCAACAAGTCTTATTGCATACCTTCTGTTTGCTCAGCTTGGTGCTTG   1047
GI   CATTCAACATGTCTTATTGCATACCTTCTGTTTGCTCAGCTTGGTGCTCG   1045
SY   CATTCAACAAGTCTTATTGCATACCTTCTGTTTGCTCAGCTTGGTGCTTG   1047
JM   CATTCAACAAGTCTTATTGCATACCTTCTGTTTGCTCAGCTTGGTGCTTG   1048
SH   CATTCAACAAGTCTTATTGCATACCTTCTGTTTGCTCAGCTTGGTGCTTG   1045
HE   CATTCAACAAGTCTTATTGCATACCTTCTGTTTGCTCAGCTTGGTGCTTG   1049
     ********* ******************************** *

AM   GGGCTGCTGAGGGGCAGGAGGGAGAGGGTGACATGGGTCAGCTGACTCCC   1097
GI   GGGCTGCTGAGGGGCAGGAGGGAGAGGGTGACATCCCTCAGCTGACTCCC   1095
SY   GGGCTGCTGAGGGGCAGGAGGGAGAGGGTGACATGGGTCAGCTGACTCCC   1097
JM   GGGCTGCTGAGGGGCAGGAGGGTGAGGGTGACATGGGTCAGCTGACTCCC   1098
SH   GGCCTTCTGAGGGGCAGGAGGGAGAGGGTGACATGGGITCACTGACTCCC   1095
HE   GGGCTGCTGAGGGGCAGGAGGGAGAGGGTGACATGGGTCAGCTGACTCCC   1099
     ** ** ***************** **********   *** *********

AM   AGAGTCCACTCCCTGTAGGTCGGGCAGCAGGCCGTAGAAGTCTGGCAGGG   1147
GI   AGAGTCCACTCCCTGTAGGTCGGGCAGCAGGCCGTAGAAGTCTGGCAGGG   1145
SY   AGAGTCCACTCCCTGTAGGTCGGGCAACAGGCCGTAGAAGTCTGGCAGGG   1147
JM   AGAGTCCACTCCCTGTTGGTCGGGCAGCAGGCCGTAGAAGTCTGGCAGGG   1148
SH   AGAGTCCACTCCCTGTAGGTCGGGCAGCAGGCCGTAGAAGTCTGGCAGGG   1145
HE   AGAGTCCACTCCCTGTAGGTCGGGCAGCAGGCCGTAGAAGTCTGGCAGGG   1149
     **************** ******** *********************

AM   CCTGGCCCTGCTGTCGGAAGCTGTCCTGCGGGGCCAGGCCCTGTTGGTCA   1197
GI   CCTGGCCCTGCTGTCGGAAGCTGTCCTGCGGGGCCAGGCCCTGTTGGTCA   1195
SY   CCTGGCCCTGCTGTCGGAAGCTGTCCTGCGGGGCCAGGCCCTGTTGGTCA   1197
JM   CCTGGCCCTGCTGTCGGAAGCTGTCCTGCGGGGCCAGGCCCTGTTGGTCA   1198
SH   CCTGGCCCTGCTGTCGGAATCTGTCCTGCGGGGCCAGGCCCTGTTGGTCA   1195
HE   CCTGGCCCTGCTGTCGGAAGCTGTCCTGCGGGGCCAGGCCCTGTTGGTCA   1199
     ******************* ******************************

AM   ACTCTTCCCAGCCGTGGGAGCCCCTGCAGCTGCATGTGGATAAAGCCGTC   1247
GI   ACTCTTCCCAGCCGTGGGAGCCCCTGCAGCTGCATGTGGATAAAGCCGTC   1245
SY   ACTTTTCCCAGCCGTGGGAGCCCCTGCAGCTGCATGTGGATAAAGCCGTC   1247
JM   ACTCTTCCCAGCCGTGGGAGCCCCTGCAGCTGCATGTGGATAAAGCCGTC   1248
SH   ACTCTTCCCAACCGTGGGAGCCCCTGCAGCTGCATGTGGATAAAGCCGTC   1245
HE   ACTCTTCCCAGCCGTGGGAGCCCCTGCAGCTGCATGTGGATAAAGCCGTC   1249
     *** ****** *************************************

AM   AGTGGCCTTCGCAGCCTCACCACTCTGCTTCGGGCTCTGGGAGCCCAGGT   1297
GI   AGTGGCCTTCGCAGCCTCACCACTCTGCTTCGGGCTCTGGGAGCCCAGGT   1295
SY   AGTGGCCTTCGCAGCCTCACCACTCTGCTTCGGGCTCTGGGAGCCCAGGT   1297
JM   AGTGGCCTTCGCAGCCTCACCACTCTGCTTCGGGCTCTGGGAGCCCAGGT   1298
SH   AGTGGCCTTCGCAGCCTCACCACTCTGCTTCGGGCTCTGGGAGCCCAGTT   1295
HE   AGTGGCCTTCGCAGCCTCACCACTCTGCTTCGGGCTCTGGGAGCCCAGGT   1299
     ************************************************ *

AM   GAGTAGGAGCGGACACTTCTGCTTGCCCTTTCTGTAAGAAGGGGAGAAGG   1347
GI   GAGTAGGAGCGGACACTTCTGCTTGCCCTTTCTGTAAGAAGGGGAGAAGG   1345
SY   GAGTAGGAGCGGACACTTCTGCTTGCCCTTTCTGTAAGAAGGGGAGAAGG   1347
JM   GAGTAGGAGCGGACACTTCTGCTTGCCCTTTCTGTAAGAAGGGGAGAAGG   1348
SH   GAGTAGGAGGGGACACTTCTGCTTGCCCTTTGTGTAAGAAGGAGAGAAGG   1345
HE   GAGTAGGAGCGGACACTTCTGCTTGCCCTTTCTGTAAGAAGGGGAGAAGG   1349
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          ********* ******************** ********* *******
                                                                    1397
AM   GTCTTGCTAAGGAGTACAGGAACTGTCCGTATTCCTTCCCTTTCTGTGGC            1395
GI   GTCTTGCTAAGGAGTACAGGAACTGTCCGTATTCCTTCCCTTTCTGTGGC            1397
SY   GTCTTGCTAAGGAGTACAGGAACTGTCCGTATTCCTTCCCTTTCTGTGGC            1398
JM   GTCTTGCTAAGGAGTACAGGAACTGTCCGTATTCCTTCCCTTTCTGTGGC            1395
SH   GTCTTGCTAAGGAGTACAGGAACTGTCCGTATTCCTTCCCTTTCTGTGGC            1399
HE   GTCTTGCTAAGGAGTACAGGATCTGTCCGTATTCCTTCCCTTTCTGTGGC
          ******************** **************************
                                                                    1447
AM   ACTGCAGCGACCTCCTGTTTTCTCCTTGGCAGAAGGAAGCCATCTCCCCT            1445
GI   ACTGCAGCGACCTCCTGTTTTCTCCTTGGCAGAAGGAAGCCATCTCCCCT            1447
SY   ACTGCAGCGACCTCCTGTTTTCTCCTTGGCAGAAGGAAGCCATCTCCCCT            1448
JM   ACTGCAGCGACCTCCTGTTTTCTCCTTGGCAGAAGGAAGCCATCTCCCCT            1445
SH   ACTGCAGCGACCTCCTGTTTTCTCCTTGGCAGAAGGAAGCCATCTCCCCT            1449
HE   ACTGCAGCGACCACCTGTTTTCTCCTTGGCAGAAGGAAGCCATCTCCCCT
          ************ ***************************************
                                                                    1497
AM   CCAGATGCGGCCTCAGCTGCTCCACTCCGAACAATCACTGCTGACACTTT            1495
GI   CCAGATGCGGCCTCAGCTGCTCCACTCCGAACAATCACTGCTGACACTTT            1497
SY   CCAGATGCGGCCTCAGCTGCTCCACTCCGAACAATCACTGCTGACACTTT            1498
JM   CCAGATGCGGCCTCAGCTGCTCCACTCCGAACAATCACTGCTGATACTTT            1495
SH   CCAGATGCGGCCTCAGCTGCTCCACTCCGAACAATCACTGCTGACACTTT            1499
HE   CCAGATGCGGCCTCAGCTGCTCCACTCCGAACAATCACTGCTGACACTTT
          ************************************** *****
                                                                    1547
AM   CCGCAAACTCTTCCGAGTCTACTCCAATTTCCTCCGGGGAAAGCTGAAGC            1545
GI   CCGCAAACTCTTCCGAGTCTACTCCAATTTCCTCCGGGGAAAGCTGAAGC            1547
SY   CCGCAAACTCTTCCGAGTCTACTCCAATTTCCTCCGGGGAAAGCTGAAGC            1548
JM   CCGCAAACTCTTCCGAGTCTACTCCAATTTCCTCCGGGGAAAGCTGAAGC            1545
SH   CCGCAAACTCTTCCGAGTCTACTCCAATTTCCTCCGGGGAGAGCTGAAGC            1549
HE   CCGCAAACTCTTCCGAGTCTACTCCAATTTCCTCCGGGGAGAGCTGAAGC
          ************************************** *********
                                                                    1584
AM   TGTACACAGGGGAGGCCTGCAGGACAGGGGACAGATGA                      1582
GI   TGTACACAGGGGAGGCCTGCAGGACAGGGGACAGATGA                      1585
SY   TGTACACAGGGGAGGCCTGCAGGACAGGGGACAGATGA                      1585
JM   TGTACACAGGGGAGGCCTGCAGGACAGGGGACAGATGA                      1583
SH   TGTACACAGGGGAGGCCTGCAGGACAGGGGACGGATGA                      1586
HE   TGTACACAGGGGAGGCCTGCAGGACAGGGGACGGATGA
          ****************************** *****
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FIG 6

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AM/GI  MGVHECPAWLWLLLSLLSLPLGLPVLGAPPRLICDSRVLERYLLEAKEAE      50
SY     MGVHECPAWLWLLLSLLSLPLGLPVLGAPPRLICDSRVLERYLLEAKEAE      50
JM     MGVHECPAWLWLLLSLLSLPLGLPVLGAPPRLICDRRVLERYLLEAKEAE      50
SH     MGVHECPAWLWLLLSLLSLPLGLPVLGAPPRLICDSRVLERYLLEAKEAE      50
HE     MGVHECPAWLWLLLSLLSLPLGLPVLGAPPRLICDSRVLERYLLEAKEAE      50
       ********************************** **************


AM/GI  NITTGCAEHCSLNENITVPDTKVNFYAWKRMEVGQQAVEVWQGLALLSEA      100
SY     NITTGCAEHCSLNENITVPDTKVNFYAWKRMEVGQQAVEVWQGLALLSEA      100
JM     NITKGCAEHCSLNENITVPDTKVNFYAWKRMEVGQQAVEVWQGLALLSES      100
SH     NITTGCAEHCSLNENITVPDTKVNFYAWKRMEVGQQAVEVWQGLALLSEA      100
HE     NITTGCAEHCSLNENITVPDTKVNFYAWKRMEVGQQAVEVWQGLALLSEA      100
       *** **********************************************


AM/GI  VLRGQALLVNSSQPWEPLQLHVDKAVSGLRSLTTLLRALGAQKEAISPPD      150
SY     VLRGQALLVNSSQPWEPLQLHVDKAVSGLRSLTTLLRALGAQKEAISPPD      150
JM     VLRGQALLVNSSQPWEPLQLHVDKAVSGLRSLTTLLRALGAQKEAISPPD      150
SH     VLRGQALLVNSSQPWEPLQLHVDKAVSGLRSLTTLLRALGAQKEAISPPD      150
HE     VLRGQALLVNSSQPWEPLQLHVDKAVSGLRSLTTLLRALGAQKEAISPPD      150
       **************************************************


AM/GI  AASAAPLRTITADTFRKLFRVVSNFLRGKLKLYTGEACRTGDR      193
SY     AASAAPLRTITADTFRKLFRVVSNFLRGKLKLYTGEACRTGDR      193
JM     AASAAPLRTITADTFRKLFRVYSNFLRGKLKLYTGEACRTGDR      193
SH     AASAAPLRTITADTFRKLFRVYSNFLRGKLKLYTGEACRTGDR      193
HE     AASAAPLRTITADTFRKLFRVYSNFLRGELKLYTGEACRTGDG      193
       ******************** ****** *************
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